

2003
Virginia Department of Transportation
Daily Traffic Volume Estimates
Including Vehicle Classification Estimates
where available

Special Locality Report
269
Town of New Market

Prepared By
Virginia Department of Transportation
Mobility Management Division

In Cooperation With
U.S. Department of Transportation
Federal Highway Administration

Virginia Department of Transportation
Mobility Management Division
Traffic Monitoring Section

The Virginia Department of Transportation (VDOT) conducts a program where traffic count data are gathered from sensors in or along streets and highways and other sources. From these data, estimates of the average number of vehicles that traveled each segment of road are calculated. VDOT periodically publishes booklets listing these estimates.

One of these booklets, titled "Average Daily Traffic Volumes with Vehicle Classification Data, on Interstate, Arterial and Primary Routes" includes a list of each Interstate and Primary highway segment with the estimated Annual Average Daily Traffic (AADT) for that segment. AADT is the total annual traffic estimate divided by the number of days in the year. This booklet also includes information such as estimates of the percentage of the AADT made up by 6 different vehicle types, ranging from cars to double trailer trucks; estimated Annual Average Weekday Traffic (AAWDT), which is the number of vehicles estimated to have traveled the segment of highway during a 24 hour weekday averaged over the year; as well as Peak Hour and Peak Direction factors used by planners to formulate design criteria.

In addition to the Primary and Interstate publication, one hundred books are published periodically, one for each of 100 areas across the state defined by VDOT for record-keeping purposes. These books include traffic volume estimates for roads within the county, cities, and towns within the area. These books are titled "Daily Traffic Volumes Including Vehicle Classification Estimates, where available; Jurisdiction Report numbers 00 through 99".

Also available are a number of reports summarizing the average Vehicle Miles Traveled (VMT) in selected jurisdictions and other categories of highways. There are many different ways to present traffic volume summary information. Because the user determines the value of each presentation, the reports have been redesigned based on user requests and feedback. The people at VDOT Mobility Management's Traffic Monitoring Section who produce these books welcome requests for other helpful ways of presenting the summary information.

A compact disc (CD) is available that includes files in the Adobe® Portable Document Format (PDF) that can be displayed, searched, and printed using common desktop computer equipment. The CD includes the publications described above as well as a number of other reports, including specialized VMT summaries and smaller AADT reports for each city and town separately.

Publication Notes

Parallel Roads

For road inventory and management purposes, some roadways are counted separately by direction and have separately published traffic estimates for each direction of travel. Examples of such roadways are the interstate system and routes with separated facilities and (usually) one-way traffic facilities in urban areas. In these publications, they are referred to as parallel roads. As a convenience for the users of the publication, the listing for segments of roads with parallel segments are published with both the traffic estimates for their own direction of travel (e.g. I-95 Northbound) as well as the estimate of the total of all traffic on the same route including parallel roadways (all directions of I-95). The publication will have a “Combined Traffic Estimates for Parallel Roadways on this Route” or “Combined Traffic” identifiers for the combined direction of travel estimates.

Roadways such as I-395 with a North segment, a South segment and a separate Reversible lane segment will have the estimate for more than two parallel roadways included in the entire combined traffic estimate.

Some routes have very complicated paths through cities and towns. These parallel paths may be too complex to allow a relationship between nearby sections of the opposite direction on the same route. In this case, to indicate that the traffic estimates for such a road segment may not include all directions of traffic on that route, the line that would list the combined values will indicate “NA” for not available.

VDOT’s traffic monitoring program includes more than 100,000 segments of roads and highways ranging from several mile sections of Interstate highways to very short sections of city streets. Due to problems experienced obtaining some traffic count data, and the level of quality necessary to maintain confidence in the data, no estimate is currently available for some segments of roadway. These segments are included in the publications indicating “NA” for not available. It is the intention of the VDOT’s Mobility Management Traffic Monitoring group to obtain the data necessary and to report traffic volume estimates on all road segments included in these publications.

Many of the road segments in this program are local secondary roads. The amount and detail of data collected on these roads are not as great as the data collected on higher volume roads. The vehicle classification, average weekday traffic volumes, and the theoretical design hour traffic volumes are not calculated for these roads. The publications indicate “NA” for the information that is not available.

This publication is based on a traffic monitoring program initiated in 1997. Because the data collection techniques and statistical evaluation processes are different than those used in previous years, comparison with previous publications may be misleading.

Glossary of Terms:

Route: The Route Number assigned to this segment of roadway with the master inventory route number if this is an overlapping route, with official street or highway name if available.

Length: Length of the traffic segment in miles.

AADT: Annual Average Daily Traffic. The estimate of typical daily traffic on a road segment for all days of the week, Sunday through Saturday, over the period of one year.

QA: Quality of AADT:

- A Average of Complete Continuous Count Data
- B Average of Selected Continuous Count Data
- F Factored Short Term Traffic Count Data
- G Factored Short Term Traffic Count Data with Growth Element
- H Historical Estimate
- M Manual Uncounted Estimate
- N AADT of Similar Neighboring Traffic Link
- O Provided By External Source
- R Raw Traffic Count, Unfactored

4Tire: Percentage of the traffic volume made up of motorcycles, passenger cars, vans and pickup trucks.

Bus: Percentage of the traffic volume made up of busses.

2Axle Truck: Percentage of the traffic volume made up of 2 axle single unit trucks (not including pickups and vans).

3+Axle Truck: Percentage of the traffic volume made up of single unit trucks with three or more axles.

1Trail Truck: Percentage of the traffic volume made up of units with a single trailer.

2Trail Truck: Percentage of the traffic volume made up of units with more than one trailer.

QC: Quality of Classification Data:

- A Average of Complete Continuous Count Data
- B Average of Selected Continuous Count Data
- C Short Term Classified Traffic Count Data
- F Factored Short Term Traffic Count Data
- H Historical Estimate
- M Mass Collective Average
- N Classification Estimates of Similar Neighboring Traffic Link

K Factor: The estimate of the portion of the traffic volume traveling during the peak hour or design hour.

QK: Quality of the Peak Hour estimate:

- A Factor based on 30th Highest Hour Observed During at least 250 days of Continuous Traffic Data
- B Factor based on other Hour Observed During Less than 250 days of Continuous Traffic Data
- F Factor based on Highest Hour Collected at in a 48 Hour Weekday Period
- M Factor based on Manual Estimate of design hour
- N Peak Hour Factor of Similar Neighboring Traffic Link
- O Provided by External Source

Dir Factor: The estimate of the portion of the traffic volume traveling in the peak direction during the peak hour..

AAWDT: Average Annual Weekday Traffic. The estimate of typical traffic over the period of one year for the days between Monday through Thursday inclusive.

QW: Quality of AAWDT:

- A Average of Complete Continuous Count Data
- B Average of Selected Continuous Count Data
- F Factored Short Term Traffic Count Data
- G Factored Short Term Traffic Count Data with Growth Element
- M Manual Uncounted Estimate
- N AAWDT of Similar Neighboring Traffic Link
- O Provided by External Source

Year: Year for which the published values are appropriate. If the Quality of AADT (QA) is "R", the year is the year that the raw traffic count was collected, and if available,

Route Shield Legend






















Route Systems

North 	Interstate Route	Traffic volume data for Interstate Routes and some other routes are reported separately by direction, as well as combined.
	US Route	
	Virginia State Route	
	Secondary Route	

Special Routes

Bus 	Bus - Business Route
	Bypas - Bypass Route
	Truck - Truck Route
ALT 	ALT - Alternate Route
	Wve - Wye Route connector
	P - Parallel Route; Southbound or Westbound direction lanes of a numbered route where they are on a different road facility than the other direction.
	The VDOT Maintenance Jurisdiction number is displayed below the Secondary Route Number if the Maintenance Jurisdiction is different than the jurisdiction in the title of the report.

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Town of New Market

Route	Length	AADT	QA	4Tire	Bus	-----Truck-----				QC	K Factor	QK	Dir Factor	AAWDT	QW	Year		
						2Axle	3+Axle	1Trail	2Trail									
Town of New Market																		
		1.16	4700	G	From:	Shenandoah County Line				C	0.086	F	0.544	4800	G	2003		
					To:													
	Congress St	0.27	8700	G	From:	US 211 South Int New Market				F	0.098	F	0.607	8900	G	2003		
					To:													
		0.36	5500	G	From:	US 211 North Int New Market				F	0.099	F	0.578	5600	G	2003		
					To:	NCL New Market												
	North	0.85	20000	G	From:	SCL New Market				F	0.064	F		20000	G	2003		
				Combined Traffic:	G	71%	1%	2%	1%								24%	2%
				To:	NCL New Market				F								NA	37000
	South	0.24	18000	F	From:	SCL New Market				F	0.068	F		18000	F	2003		
				Combined Traffic:	F	74%	1%	1%	1%								21%	2%
				To:	NCL New Market				F								NA	36000
	South	0.61	17000	G	From:	US 211				F	0.068	F		17000	G	2003		
				Combined Traffic:	G	74%	1%	1%	1%								21%	2%
				To:	NCL New Market				F								NA	37000
		0.26	19000	G	From:	I-81 West of New Market				F	0.093	F	0.649	19000	G	2003		
					To:													
		Congress St	0.27	8700	G	From:	US 11 New Market South Int				F	0.098	F	0.607	8900	G	2003	
						To:												
		0.45	5700	G	From:	US 11 NEW MARKET NORTH INT				C	0.082	F	0.508	5800	G	2003		
					To:	ECL New Market												
		0.42	4500	N	From:	WCL New Market				N	0.084	N	0.517	4600	N	2003		
					To:	I-81 West of New Market												
	George Collins Parkway	1.79	250	G	From:	SR 211				C	0.142	F	0.556	250	G	2003		
					To:	Battlefield Park Entrance												
	Miller Lane	0.08	280	R	From:	SCL New Market					NA		NA		03/28/2002			
					To:	SR 211; SR 305 George Collins Parkway												
	Dixie Lane	0.06	690	R	From:	US 11					NA		NA		1999			
					To:													
	Dixie Lane	0.10	190	R	From:	85-1001 John Sevier Road					NA		NA		03/28/2002			
					To:	Dead End												
	Smith Creek Road	0.05	730	R	From:	85-1002					NA		NA		03/28/2002			
					To:	ECL New Market												
	Shenandoah Drive	0.35	500	R	From:	SR 211					NA		NA		03/28/2002			
					To:	Cul-de-Sac												
	Clicks Lane	0.40	1000	R	From:	ECL New Market					NA		NA		03/28/2002			
					To:	US 11												
		0.80	1600	G	From:	85-1020 Fairway Drive				C	0.103	F	0.579	1700	G	2003		
					To:													
	John Sevier Road	0.09	580	R	From:	US 211					NA		NA		1999			
					To:													
		0.07	30	R	From:	85-719 Dixie Lane					NA		NA		03/28/2002			
					To:	Dead End												

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						2Axle	3+Axle	1Trail	2Trail							
Town of New Market																
<div>100285</div>	Old Cross Rd	0.05	2100	G	From: 94%	US 11; US 211				F	0.092	F	0.626	2100	G	2003
<div>100285</div>	Old Cross Rd	0.37	1700	G	From: 94%	85-1001 John Sevier Road				C	0.116	F	0.716	1800	G	2003
<div>100285</div>	Old Cross Rd	0.13	1400	G	From: 94%	85-735 Smith Creek Road				F	0.124	F	0.724	1400	G	2003
					To:	ECL New Market										
<div>100385</div>		0.20	240	R	From:	Dead End					NA			NA		1999
<div>100385</div>		0.05	750	R	From:	85-1005 Ashby Lane					NA			NA		03/28/2002
<div>100385</div>		0.42	1100	G	From: 99%	85-1004				C	0.09	F	0.586	1100	G	2003
					To:	US 211										
<div>100485</div>		0.06	130	R	From:	WCL New Market					NA			NA		1999
<div>100485</div>		0.09	390	G	From: 98%	85-1003				C	0.111	F	0.6	400	G	2003
<div>100485</div>		0.06	130	R	From:	US 11					NA			NA		03/28/2002
					To:	85-1001 John Sevier Road										
<div>100585</div>	Ashby Lane	0.09	320	R	From:	85-1003					NA			NA		1999
					To:	US 11										
<div>100685</div>	East Seminary Lane	0.06	290	R	From:	US 11					NA			NA		03/28/2002
					To:	85-1001 John Sevier Road										
<div>100785</div>	West Lee Street	0.06	90	R	From:	Dead End					NA			NA		1999
<div>100785</div>	West Lee Street	0.10	660	R	From:	85-1003					NA			NA		03/28/2002
<div>100785</div>	West Lee Street	0.06	730	R	From:	US 11					NA			NA		1999
<div>100785</div>	West Lee Street	0.10	60	R	From:	85-1001 John Sevier Road					NA			NA		03/28/2002
					To:	Dead End										
<div>100885</div>	Confederate Street	0.10	170	R	From:	85-1003					NA			NA		1999
<div>100885</div>	Confederate Street	0.06	340	R	From:	US 11					NA			NA		03/28/2002
<div>100885</div>	Confederate Street	0.09	170	R	From:	85-1001 John Sevier Road					NA			NA		03/28/2002
					To:	Dead End										
<div>100985</div>	Stuart Street	0.10	250	R	From:	85-1003					NA			NA		1999
<div>100985</div>	Stuart Street	0.06	570	R	From:	US 11					NA			NA		03/28/2002
					To:	85-1001 John Sevier Road										
<div>101085</div>	Breckenridge Rd	0.15	90	R	From:	Dead End					NA			NA		1999
					To:	85-1001 John Sevier Road										
<div>101185</div>	Clark Street	0.11	160	R	From:	85-1001 John Sevier Road					NA			NA		03/28/2002
					To:	Dead End										

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						2Axle	3+Axle	1Trail	2Trail							
Town of New Market																
1012 85 Fairway Drive	0.19	210	R	From:	85-823 Clicks Lane					NA			NA		1999	
				To:	Dead End											
1013 85 Shenville Drive	0.20	140	R	From:	85-1012 Fairway Drive					NA			NA		03/28/2002	
				To:	Dead End											
1014 85 Shady Lane	0.04	10	R	From:	Dead End					NA			NA		1999	
				To:	85-1019 Pleasant View Drive											
1014 85 Shady Lane	0.08	260	R	From:						NA			NA		03/28/2002	
				To:	85-1017 Massanutten Avenue											
1014 85 Shady Lane	0.03	610	R	From:						NA			NA		1999	
				To:	US 11											
1015 85 Early Street	0.05	140	R	From:	Dead End					NA			NA		1999	
				To:	85-1003											
1016 85 Shipp Street	0.14	7	R	From:	Dead End					NA			NA		03/28/2002	
				To:	US 11											
1017 85	0.21	90	R	From:	Dead End					NA			NA		03/28/2002	
				To:	85-1014 Shady Lane											
1017 85 Massanutten Avenue	0.13	60	R	From:						NA			NA		1999	
				To:	Dead End											
1018 85 Jackson Avenue	0.08	260	R	From:	Dead End					NA			NA		03/28/2002	
				To:	SR 211											
1019 85 Pleasant View Drive	0.21	110	R	From:	Dead End					NA			NA		1999	
				To:	85-1014 Shady Lane											
1019 85 Pleasant View Drive	0.15	110	R	From:						NA			NA		03/28/2002	
				To:	0.15 MS 85-1014											
1020 85 Fairway Drive	0.05	1200	R	From:	US 11					NA			NA		03/28/2002	
				To:	85-1001 John Sevier Road											
1022 85	0.08	49	R	From:	85-1011 Clark Street					NA			NA		1999	
				To:	Dead End											
1035 85 Tyler Drive	0.26	170	R	From:	US 11					NA			NA		1999	
				To:	Cul-de-Sac											
1036 85 Sun Beau Court	0.09	70	R	From:	Cul-de-Sac					NA			NA		1999	
				To:	85-1035 Tyler Drive											
1037 85 Sun Briar Court	0.04	40	R	From:	Cul-de-Sac					NA			NA		1999	
				To:	85-1036 Sun Beau Court											
1038 85	0.05	30	R	From:	85-1035 Tyler Drive					NA			NA		1999	
				To:	Cul-de-Sac											
1040 85 Woodbine Way	0.26	120	R	From:	Dead End; SCL New Market					NA			NA		1999	
				To:	85-1041 Periwinkle Lane											
1040 85 Woodbine Way	0.07	240	R	From:						NA			NA		1999	
				To:	85-823 Clicks Lane											

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						2Axle	3+Axle	1Trail	2Trail							
Town of New Market																
1041 85	Periwinkle Lane	0.18	70	R	From	Dead End					NA			NA		1999
					To	85-1040 Woodbine Way										
1044 85		0.16	150	R	From	85-823 Clicks Lane					NA			NA		1999
					To	85-1045										
1044 85		0.08	30	R	From	85-1045					NA			NA		1999
					To	85-1046										
1044 85		0.03	10	R	From	85-1046					NA			NA		1999
					To	Dead End										
1045 85		0.07	10	R	From	Cul-de-Sac					NA			NA		1999
					To	85-1046										
1045 85		0.08	40	R	From	85-1046					NA			NA		1999
					To	85-1044										
1045 85		0.19	50	R	From	85-1044					NA			NA		1999
					To	Cul-de-Sac										
1046 85		0.13	20	R	From	85-1045					NA			NA		1999
					To	85-1044										